



CREST Mathematics Olympiad (CMO) Worksheet *for* Class 3



Topic

Commutation Operations



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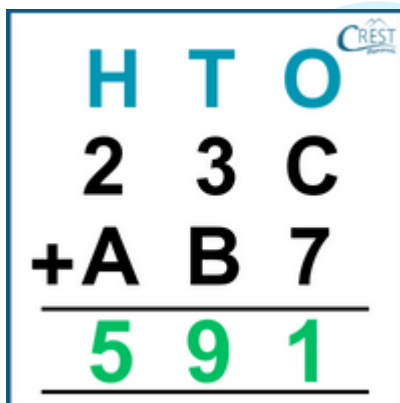
Worksheet on Commutation Operations

1. What symbol in the box will cause the given number sentence to be true?



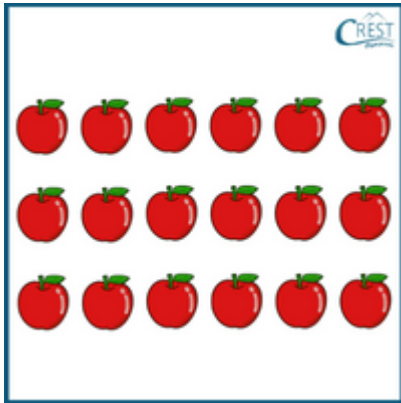
- a. +
- b. -
- c. x
- d. ÷

2. Find the value of $A + B + C$.



- a. 14
- b. 10
- c. 8
- d. 2

3. How are the following apples arranged in groups in such a way that each group can contain 3 apples?



- a. 6
 - b. 7
 - c. 8
 - d. 9
4. Fill up the blank:
- $345 \times 12 = \underline{\hspace{2cm}}$
- a. 3949
 - b. 4140
 - c. 4240
 - d. 4398
5. The difference between the two numbers is 500. If one of the numbers is 600, what is the other number?
- a. 900
 - b. 1000
 - c. 1100
 - d. 1200

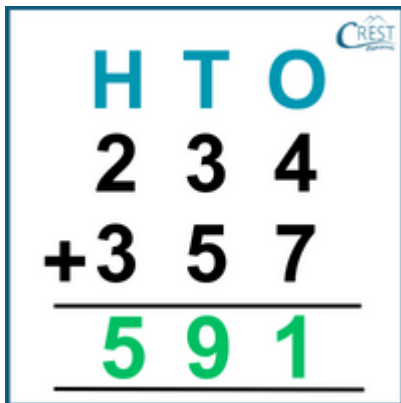
Answer Key

1. d - ÷

Explanation: $48 \div 6 = 8$.

2. d - 12

Explanation: Quantity of water a bathtub can hold = 150 L


$$\begin{array}{r} \text{H T O} \\ 234 \\ +357 \\ \hline 591 \end{array}$$

Here, A = 3, B = 5 and C = 4
So, $3 + 5 + 4 = 12$.

3. a - 6

Explanation: Total apples = 18
Number of apples in each group = 3
Number of groups = $18 \div 3 = 6$

4. b - 4140

Explanation: Multiplication of a 3-digit number by a 2-digit number is performed.

$$345 \times 12 = 4140$$

5. c - 1100

Explanation: The difference between the two numbers is 500.

We have to check each option.

In option (a), the difference between the two numbers = $900 - 600 = 300$.

In option (b), the difference between the two numbers = $1000 - 600 = 400$.

In option (c), the difference between the two numbers = $1100 - 600 = 500$. Thus, this shows the correct difference.

In option (d), the difference between the two numbers = $1200 - 600 = 600$.

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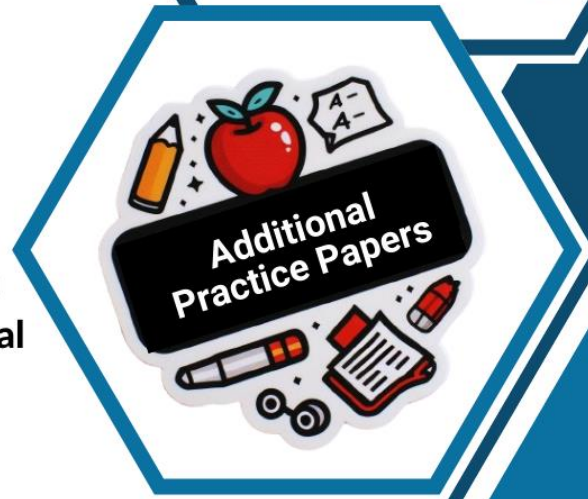
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